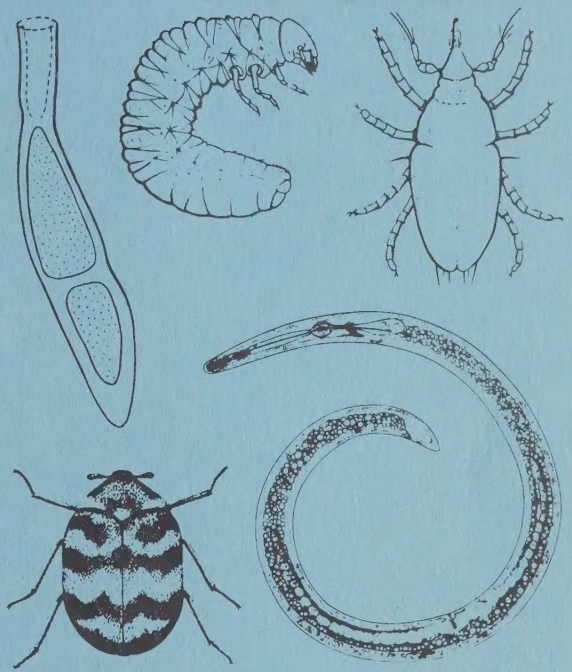
Agriculture
Canada

INTERCEPTED PLANT PESTS 1973-1974

CANADIAN PLANT QUARANTINE



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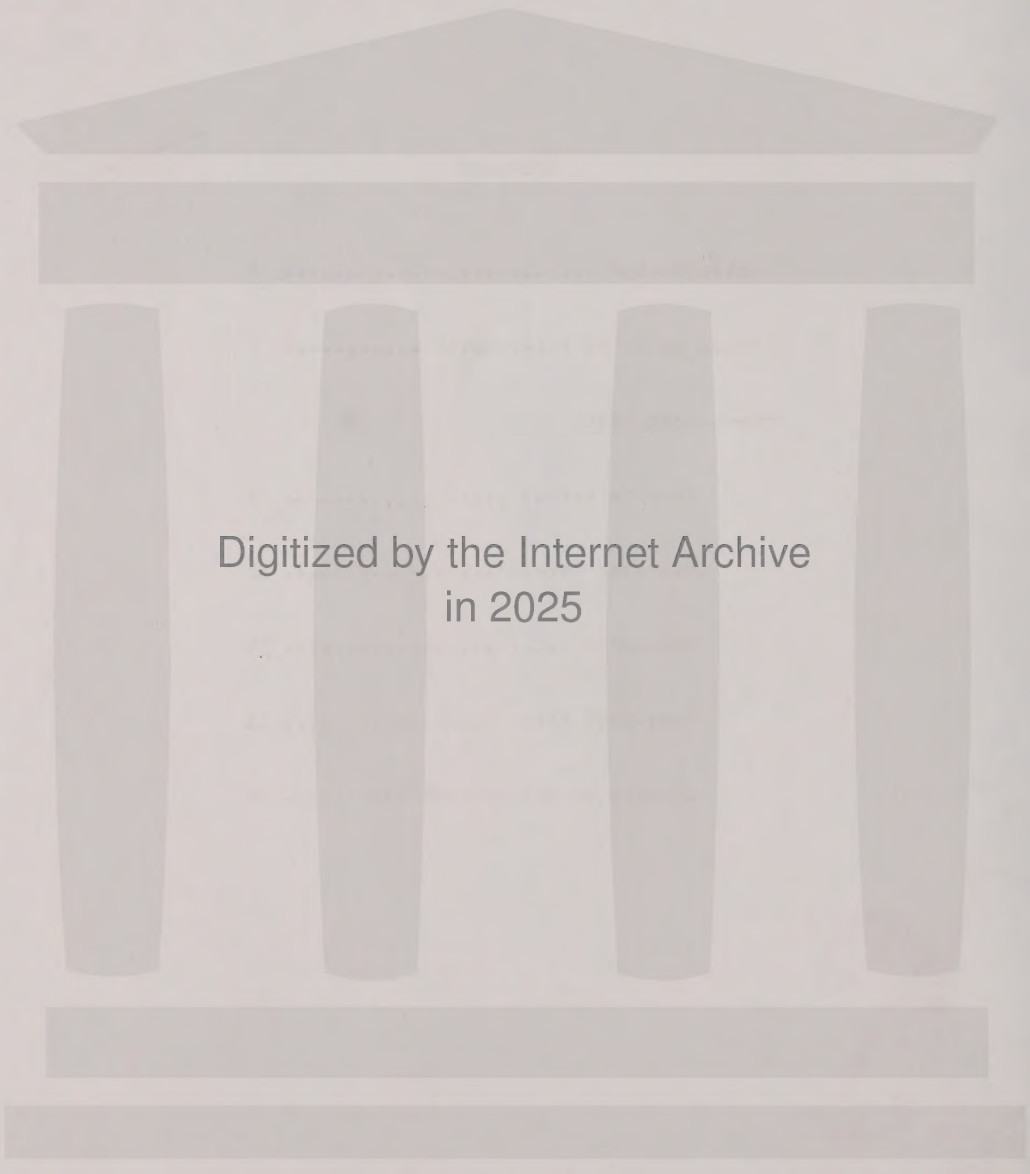

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CANADA DEPARTMENT OF AGRICULTURE

Production and Marketing Branch **Plant Protection Division**

LIST OF INTERCEPTED PLANT PESTS

April 1st, 1973 - March 31st, 1974

INTRODUCTION

This report summarizes the import interception records of the Plant Protection Division for the period April 1st, 1973 to March 31st, 1974, and includes plant pests found on plants, plant products, baggage, cargo, mail or carriers entering Canada. Pest records concerning pre-shipment inspection of flowering bulbs in the Netherlands, the Canadian Nursery Survey, Canadian Export Certification, and various domestic surveys may be found in other reports covering these activities. The following lists include only those pests which are considered to be of plant quarantine interest and a few which may be of interest because they are new to the country of origin or to the host plant or are of limited distribution in Canada.

In order to prepare a report of this type, Canadian distribution records for the various plant pests must be available and the taxonomy of the various groups must be relatively stable. Where there is insufficient information in regard to these requisites, the pests concerned are arbitrarily included in these lists.

In this report pests are recorded in three groups: "Insects, etc.", which includes mites and mollusca; "Diseases", which includes fungi, bacteria and viruses and "Nematodes". Imports are divided into two groups: "propagation" and "consumption", according to their obvious or intended use. The heading "Host (or carrier)" is used in this report because many of the plants associated with a specific pest may not necessarily be host plants, and soil or other materials not associated with plants at the time of interception may also carry pests. The term "Soil" is used only when no recognizable plant or plant material could be associated with the soil in which a pest was found.

We have received requests to indicate the means of transport for each pest and have therefore included code letters for this under the column "Carried in". Four means of transport are used:

APB - Air passengers' baggage
M - Mail
C - Cargo
NE - Non-entry

"Non-entry" refers to the interception of a pest in the space of a carrier such as a ship, aircraft, rail car, etc., or on a plant or product within the carrier not intended to be moved into Canada. Nevertheless, the risk of pest entry existed since the carrier was on Canadian soil or in Canadian waters at the time of inspection.

Both the "Host" and "Origin" lists refer only to the name of the pest organism. The most complete information is available in the "Pest" list. A large number of the more common intercepted insects, mites, mollusca, fungi, bacteria and nematodes were not included in these lists, but information on these as well as more detailed information on those included here is on file and may be obtained by contacting the Director, Plant Protection Division, Ottawa.

With few exceptions, determinations of insects, nematodes and fungi were made or were confirmed by specialists in the Research Branch, Canada Agriculture. Mollusca were identified at the Canadian National Museum. In certain centres, inspectors are qualified to make identifications of specific pests because of frequent interceptions of the pest from the same state or country. However, even such identifications are checked by specialists from time to time. The scientific names in the lists are those provided by each specialist at the time the determinations were made. Many pests were incompletely determined, but those which may be of quarantine significance are included in the lists.

Notes on Pests Intercepted

During the fiscal year covered by this report a total of 871 pest interceptions were made. This total is lower than that of the previous year when there were 1,089 pest interceptions.

The following table compares the total interceptions for each of the three pest groups with the related totals which are of quarantine significance or other interest.

The figures in brackets are those for the previous year, 1972-1973.

	No. of Interceptions	
	Total No.	Total of P.Q. Significance
Nematodes	281 (380)	227 (186)
Fungi and Viruses	169 (269)	95 (48)
Insects and Mollusks	421 (440)	208 (182)
Grand Total	871 (1,089)	530 (416)

Some pests intercepted for the first time were: Ancognatha scarabaeoides, a Scarabaeid beetle, on Dianthus cut flowers from Colombia; Blastodacna atra, a Lepidoptera, on apples in air passengers' baggage from Austria; Cosmobaris americanus, a weevil, in pine cones from Oregon, Dacus oleae, the olive fruit fly, in olives from Europe; Gryllus fultoni, a cricket, in an aircraft from Mexico; Hypothenemus kunnemanni, a scolytid, in Brazil nuts from Brazil; Lampides boeticus, a Lycaenid, on green beans from Hawaii; Myelophilus piniperda, a scolytid, in pine dunnage from Belgium; Neodryocoetes ? hubbardi, a scolytid, in tree seed from Argentina; Sipalinus hypocrita, a weevil, in pine wood shavings from Japan; Specularius imporessithorax, a weevil, in coral bean seed from Rhodesia; Mottle leaf virus in Prunus serrulata from Wash., USA; Stem grooving virus on Malus from Netherlands, Wash., USA and Japan; Criconemoides aberrans, a ring nematode on bonsai cotoneaster from China and Trichodorus porosus, a stubby root nematode, on gardenia from S. Carolina, USA. Heterodera rostochiensis was intercepted seventeen times.

Significant Interceptions and Means of Transport

	Cargo	Air Passengers' Baggage	Mail	Non-Entry
Nematodes	103	116	8	--
Fungi, etc.	93	2	--	--
Insects, etc.	58	59	7	84
TOTALS	254	177	15	84

I would like to acknowledge the assistance of Joan Scott, Dorothy Laidlaw and Allan Tymchak of this laboratory for the preparation of this report.

A. E. Straby,
Head, Pest Identification Laboratory,
Plant Protection Division,
Ottawa.

April, 1975

PEST (insect, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	CARRIED IN ★	PROV. OF COLLECTION
Acedes fuscipunctella (Haw.) (Tineidae)						
	Grain residue in ship	Africa (West)		1	NE	N.B.
		Russia		1	NE	N.B.
Acedes pallescentella (Staint.) "Large pale clothes moth" (Tineidae)						
	Grain residue in ship	Unknown		27	NE	N.S., Que. (2x) Ont. (2x), B.C. (22x)
Ancognatha scarabaeoides Erichson (Scarabaeidae) first interception						
	Dianthus sp (cut flowers)	Colombia		1	C	Que.
Ancylostomia stercorea Zeller (Phycitidae)						
	Cajanus cajan (pigeon pea).....	Trinidad		1	C	Ont.
		Jamaica		1	C	Ont.
Aonidiella aurantii Maskell "California red scale" (Diaspididae)						
	Areca sp (palms)	Cal. (USA)	1		C	B.C.
Aphomia gularis Zeller (Pyralididae)						
	Citrus sp (dried seed)	China		1	C	B.C.
Archips sp. (Tortricidae)						
	Crassula tetragona	Cal. (USA)	1		C	B.C.
	Dracaena sp	Fla. (USA)	1		C	B.C.
Aspidiotus hederae (Vallot) "Ivy Scale" (Diaspididae)						
	Persea sp (avocado)	Hong Kong		1	A.P.B.	B.C.
Atta texana (Buckley) "Texas leaf cutting ant" (Formicidae)						
	Wood (shavings)	Mexico		1	C	B.C.
Autographa californica (Speyer) "Alfalfa looper (Noctuidae)						
	Peperomia sp	Cal. (USA)	1		C	B.C.
Autographa sp "a cabbage looper" (Noctuidae)						
	Herbaceous plants	Cal. (USA)	1		C	B.C.
Blastodacna atra (Hawthorne) (Momphidae) first interception						
	Malus sp (Common apple, fruit)..	Austria		1	A.P.B.	B.C.
Bradybaena similaris (Férussac) (Bradybaenidae)						
	Aralia chinensis	Cal. (USA)	1		C	B.C.
	Ficus sp (plant)	Fla. (USA)	1		A.P.B.	Ont.
	Palmaceae	Fla. (USA)	1		C	Ont.
	Schefflera sp.	Fla. (USA)	1		C	Ont.

★ APB Air passengers' baggage
M Mail
C Cargo
NE Non-entry (in ship, aircraft, etc.)

PEST (insect, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	CARRIED IN *	PROV. OF COLLECTION
Bruchus rufimanus Boh. "Broadbean weevil" (Bruchidae)	Vicia faba	Italy		1	A.P.B.	Alta.
Callosobruchus chinensis Linn. "Southern cowpea weevil" (Bruchidae)	Vicia sp.	Unknown		1	A.P.B.	Ont.
Callosobruchus maculatus (Fab.) "Cowpea weevil (Bruchidae)	Phaseolus sp	France		1	A.P.B.	Ont.
	cajanus cajan	Singapore		1	C	B.C.
Camponotus abdominalis floridanus Buckley "Florida Carpenter Ant " (Formicidae)	Cocos nucifera	Aruba		1	A.P.B.	Ont.
Chilo suppressalis (Walker) (Pyralidae)	Bambusa (ware)	Korea		1	C	B.C.
Chrysomphalus ficus (Ashmead) "Florida red scale" (Diaspididae)	Schefflera	Flo. (USA)	1		C	Ont.
Corcyra cephalonica Stainton "Rice Moth" (Pyralididae)	Coriander (seed)	Hong Kong		1	C	B.C.
Cosmobaris americanus (CSY) (Curculionidae) first interception	Pinus sp. (cone)	Oregon (USA)	1		A.P.B.	B.C.
Cryptorhynchus mangiferae (Fabricius) "Mango Weevil" (Curculionidae)	Mangifera indica (fruit)	Hawaii (USA)		2	A.P.B.	B.C. (2x)
Cynips ? centricola (O.S.) (Cynipidae)	Quercus sp.	Netherlands	1		C	Ont.
Dacus dorsalis Hendel. "Oriental Fruit Fly" (Tephritidae)	Citrus sp. (orange fruit)	Unknown (Med. area)		1	A.P.B.	B.C.
	Mangifera ? indica (mango fruit)	Fiji		2	A.P.B.	B.C. (2x)

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PEST (insect, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	Consumption	CARRIED IN *	PROV. OF COLLECTION
Dacus oleae (Gmelin) "Olive Fruit Fly" (Tephritidae) first interception						
	Olea europaea	Europe ?		1	A.P.B.	Ont.
Deroceras laeve Müller (Limacidae)						
	Plant (woody)	Illinois (USA)	1		C	N.S.
Deroceras reticulatum Müller (Limacidae)						
	Azalea sp	England	1		C	B.C.
Deroceras sp. (Limacidae)						
	Orchidaceae	Dominica	1		A.P.B.	Nfld.
		Hawaii (USA)	1		A.P.B.	B.C.
	Cactus (cutting)	England	1		A.P.B.	B.C.
	Dracaena indivisa	Cal. (USA)	1		A.P.B.	B.C.
	Chrysanthemum sp	Cal. (USA)	1		C	B.C.
Dinoderus brevis (Horn) (Bostrichidae)						
	Wood (fan)	Taiwan		1	A.P.B.	Que.
Ectomyelois ceratoniae (Zeller) (Phyctidae)						
	Ananas comosus (pineapple)	Hawaii (USA)		2	A.P.B.	Alta. & B.C.
Endrosis sarcitrella Linn "White shouldered grain Moth" (Oecophoridae)						
	Grain residue in ship	Unknown		2	NE	Ont., B.C.
Euproctis ? chrysorrhoea (Linn) "Brown tail moth" (Lymantriidae)						
	Juniperus sp	Spain	1		A.P.B.	N.S.
Gnathocerus cornutus (Fab.) "Broad-Horned Flour Beetle" (Tenebrionidae)						
	Grain residue in ship	Unknown		1	NE	B.C.
Gracilaria azaleella Brants "Azalea leaf miner" (Gracilariidae)						
	Azalea sp	England	1		C	B.C.
Grapholitha molesta Busck "Oriental fruit moth" (Olethreutidae)						
	Prunus (peach)	Cal. (USA)		1	A.P.B.	B.C.
	Prunus (Fresh fruit peach)	USA (state ?)		2	A.P.B.	B.C. (2x)

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PEST (insect, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	CARRIED IN *	PROV. OF COLLECTION
Gryllus fultoni Alexander (Gryllidae) first interception	Aircraft	Mexico		1	NE	B.C.
Haplotinea ditella (Pierce & Metcalfe) (Tineidae)	Grain residue in ship	Unknown		1	NE	Que.
Heliothis ? virescens (Fab) (Noctuidae)	Hibiscus esculentus (Okra)	Fiji		2	A.P.B.	B.C. (2x)
Helix aspersa (Müller) "Brown garden snail" (Helicidae)	Calluna sp	England	1		A.P.B.	B.C.
Hepialus sp "A root borer" (Hepialidae)	Dahlia sp	Netherlands	1		C	B.C.
Heterobostrychus aequalis (Waterhouse) (Bostrichidae)	Wood (knife sheath)	India		1	A.P.B.	Ont.
	Wood (cutting boards)	Philippines		1	C	Ont.
Hymenia recurvalis (Fab) "Hawaiian Beet Webworm" (Pyraustidae)	Amaranthus (Calaloo) W. Indian spinach	Jamaica		1	A.P.B.	Ont.
	Colocasia sp (Taro)	Jamaica		1	A.P.B.	Ont.
Hypothenemus kunnemanni (Reitt) (Scolytidae) first interception	Bertholletia excelsa (Brazil nuts)	Brazil		1	C	B.C.
Kalotermitidae "termites"	Wood (fibre) - ragdoll	Bermuda		1	A.P.B.	Ont.
Lampides boeticus Linn (Lycaenidae) first interception	Leguminosae (green beans)	Hawaii (USA)		1	A.P.B.	B.C.
Lasius neoniger Emery (Formicidae)	Dracaena	Fla. (USA)	1		C	B.C.

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PEST (insect, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	CARRIED IN *	PROV. IN COLLECTION
Laspeyresia splendana Hbn. "Nut Fruit tortrix" "Olethreutidae"						
	Castanea sp. (chestnuts)	Hong Kong		1	A.P.B.	B.C.
		France		1	A.P.B.	B.C.
		Italy		1	A.P.B.	B.C.
Lecanium sp "A Lecanium Scale" (Coccidae)						
	Laurus sp (Bay leaf)	Greece		1	A.P.B.	Alta.
Lophocateres pusillus (Klug) "Siamese grain beetle" (Ostomidae)						
	Plant products	India		1	M	Alta.
Lyctus africanus (Lesne) (Lyctidae)						
	Wood (crate)	India		1	C	B.C.
Lyctus brunneus (Steph) "Powder Post Beetle" (Lyctidae)						
	Wood (driftwood)	Aruba		1	A.P.B.	Ont.
	Wood (crates)	Australia		1	C	B.C.
Maruca testulalis (Geyer) (Pyraustidae)						
	Cajanus cajan	Jamaica		1	C	Ont.
	Phaseolus vulgaris	Fiji		2	A.P.B.	B.C. (2x)
Metamasius ? hemipterus sericeus (OL) (Curculionidae) first interception						
	Ananas comosus	Hawaii (USA)		1	A.P.B.	B.C.
Minthea rugicollis (Wlk) (Lyctidae)						
	Wood (cutting boards)	Philippines		1	C	Ont.
Monomorium pharaonis Linn "Pharaoh Ant" (Formicidae)						
	Baggage	Burma		1	A.P.B.	B.C.
	Manihot utilissima (Cassava root)	Fiji		1	C	B.C.
Myelophilus piniperda (Linn) (Scolytidae) first interception						
	Pinus sp (dunnage)	Belgium		1	NE	Ont.
Neodryocoetes ? hubbardi Blkm (Scolytidae) first interception						
	Ceibo sp (pentandra seed)	Argentina	1		M	Ont.

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M Mail
C Cargo
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PEST (insect, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	CARRIED * IN	PROV. OF COLLECTION
Noctuidae "unidentified cut worms" (Lepidoptera)						
	Cajanus cajan	Trinidad		1	C	Ont.
		Jamaica		2	C	Ont. (2x)
	Calocasia sp (Taro)	Jamaica		1	C	Ont.
	Fragaria sp	England	1		A.P.B.	B.C.
	Phaseolus sp	Fiji		1	A.P.B.	B.C.
	Quercus sp	Norway	1		A.P.B.	Alta.
	Zea mays (seed corn)	Idaho (USA)	1		A.P.B.	B.C.
Ostrinia nubilalis (Hübner) "European Corn Borer" (Pyraustidae)						
	Zea mays (corn cobs)	Ill. (USA)		1	A.P.B.	B.C.
Paratrechina longicornis (Latreille) "Crazy ant" (Formicidae)						
	Cordyline sp	Hong Kong		1	A.P.B.	B.C.
	Phaseolus vulgaris	Hawaii (USA)		1	A.P.B.	B.C.
	Zingiber	Fiji		1	C	B.C.
Parlatoria pergandii Comstock "Chaff Scale" (Diaspididae)						
	Citrus sp (Mandarin)	China		1	C	B.C.
Periphyllus sp. (Acaridae)						
	Acer sp	Netherlands	1		C	Que.
Periplaneta brunnea Burmeister (Blattidae)						
	Sea shells	India		1	C	B.C.
Pheidole dentata Mayr "Big headed ant" (Formicidae)						
	Ananas sp	Hawaii (USA)		1	A.P.B.	Alta.
Pinnaspis aspidistrae (Sig) "Fern Scale" (Diaspididae)						
	Dracaena sp	Fla. (USA)		1	C	Que.
Platyptilia pica (Wlsm:) "Geranium Plume Moth" (Pterophoridae)						
	Pelargonium sp	Cal. (USA)	1		C	Alta.
	Pelargonium sp	Cal. (USA)	2		C	B.C. (2x)
Platyptilia ? pica (Wlsm) "Gersnium Plume Moth" (Pterophoridae)						
	Pelargonium sp	Cal. (USA)	1		C	Alta.
Potosia cuprea Fab. (Scarabaeidae)						
	Baggage (suitcase)	Hong Kong		1	A.P.B.	B.C.

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PEST (insect, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	CARRIED IN *	PROV. OF COLLECTION
Rhagoletis cerasi (Linn) (Trupaneidae)						
	Prunus sp (cherry)	Italy		1	A.P.B.	Alta.
Rhyacionia buoliana (Schiff) "European pine shoot Moth" (Olethreutidae)						
	Pinus sp	Netherlands	1		C	Alta.
Rhyzopertha dominica (Fab) "Lesser Grain Borer" (Bostrichidae)						
	Stored products	India		4	M	Alta. (4x)
	Grain residue in ship	Unknown		34	NE	Que. (6x) N.B. (3x) Ont. (8x) B.C. (17x)
	Agropyron elongatum (tall wheat grass)	Argentina		1	C	N.B.
	Hordeum (dried barley)	Hong Kong		1	A.P.B.	B.C.
Sinoxylon anale Lesne (Bostrichidae)						
	Wood (crating)	Pakistan		3	C	Ont. N.B. (2x)
	" (furniture)	Egypt		1	C	N.B.
	" (crates)	Pakistan		2	C	Que. Alta.
Sinoxylon conigerum Gerst (Bostrichidae)						
	Wood (crate)	Hong Kong		1	C	Ont.
Sipalinus hypocrita (Boheman) (Curculionidae) first interception						
	Pinus sp (wood shavings)	Japan		1	C	Ont.
Sitotroga cerealella (Oliv) "Angoumois grain moth" (Gelechiidae)						
	Grain residue in ship	Unknown		12	NE	Que. (4x), On B.C. (7x)
Specularius impressithorax (Pic) (Bruchidae) first interception						
	Erythrina sp (coral bean seed)	Rhodesia		1	M	B.C.
Sterrha inquinata (Scop) "Herbarium spanworm" (Geometridae)						
	Mentha piperita	France		1	C	Que.
	Plants (dried herbs)	Israel		1	A.P.B.	Que.
	Lauracede (chrysanthemum tea)	Italy		1	A.P.B.	Ont.
Theba pisana Linn "White garden snail" (Helicidae)						
	Brassica sp	Italy		1	A.P.B.	Ont.

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C Cargo
NE Non-entry (in ship, aircraft etc.)

PEST (insect, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	CARRIED IN *	PROV. OF COLLECTION
Thes bergrothi Reitter (Lathrididae)	Grain residue in ship	Unknown		1	NE	N.S.
Thyridopteryx ephemeraeformis (Haw) "A bagworm" (Psychidae)	Juniperus sp	Okla. (USA)	1		C	Ont.
		Tenn. (USA)	1		C	Ont.
Trogoderma granarium Everts "Khapra Beetle" (Dermestidae)	Pistacia sp	Iran		1	A.P.B.	B.C.
Trogoderma ? granarium Everts "Khapra Beetle" (Dermestidae)	Cargo	Russia		1	NE	Que.
	Grain residue in ship	Unknown		1	NE	Que.
Trogoxylon prostomoides (Gorham) (Lyctidae)	Wood (plaque)	Israel		1	A.P.B.	Ont.
Wasmannia auropunctata (Roger) "Little fire ant" (Formicidae)	Orchidaceae	Dominica	1		A.P.B.	Nfld.
Xyloperthella ? crinitarsis (Imh) (Bostrichidae) first interception	Wood (crating)	Africa (West)		1	C	B.C.

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M Mail
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NE Non-entry (in ship, aircraft, etc.)

PEST (Fungus, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	Consumption	CARRIED IN ★	PROV. OF COLLECTION
Chlorotic leaf spot virus						
	Malus var's Fantazia	Poland	1		C	B.C. (P.E.Q.)
	Fuji Red Sport Naganol	Japan	1		C	B.C. (P.E.Q.)
Cumminsiella mirabilissima (P.K.) Nannf. "Mahonia Rust"						
	Mahonia aquifolium	Wash. (USA)	1		C	B.C.
Fleck virus (first interception)						
	Vitis var's P. Slanka	Hungary	1		C	B.C. (P.E.Q.)
	Rugguri 140	Italy	1		C	B.C. (P.E.Q.)
	Savion	Yugoslavia	1		C	B.C. (P.E.Q.)
	Pinot Nero	Italy	1		C	B.C. (P.E.Q.)
	Muller Thurgau	Italy	1		C	B.C. (P.E.Q.)
	Merlot	Italy	1		C	B.C. (P.E.Q.)
	Riesling	Germany	1		C	B.C. (P.E.Q.)
	Muscat Marseille	France	1		C	B.C. (P.E.Q.)
	White Riesling	Wash. (USA)	1		C	B.C. (P.E.Q.)
	S.V. 5276	N.Y. (USA)	1		C	B.C. (P.E.Q.)
	Perlette	France	1		C	B.C. (P.E.Q.)
	3309	France	1		C	B.C. (P.E.Q.)
	Gamay Rouge de la Loire	Switzerland	1		C	B.C. (P.E.Q.)
	Huxelrebe	Germany	1		C	B.C. (P.E.Q.)
	Scheurebe	Germany	1		C	B.C. (P.E.Q.)
	Syram	France	1		C	B.C. (P.E.Q.)
	Chardonnay Espignette..	France	1		C	B.C. (P.E.Q.)
	Semillon	France	1		C	B.C. (P.E.Q.)
	Riesling Sylvaner	France	1		C	B.C. (P.E.Q.)
	Chardonnay Daviau	France	1		C	B.C. (P.E.Q.)
Mottle leaf virus (first interception)						
	Prunus serrulata	Wash. (USA)	1		C	B.C. (P.E.Q.)
Leafroll virus						
	Vitis var's Myckam Marapara	USSR	1		C	B.C. (P.E.Q.)
	Saumer	France	1		C	B.C. (P.E.Q.)
	Vine red	N.Y. (USA)	1		C	B.C. (P.E.Q.)
	GR 8	N.Y. (USA)	1		C	B.C. (P.E.Q.)
	Castel. 19637	N.Y. (USA)	1		C	B.C. (P.E.Q.)
	Chardonnay Barbou	France	1		C	B.C. (P.E.Q.)
Prune Dwarf and /or Necrotic Ring Spot Virus						
	Prunus avium and cerasus var. cacanski Rubin	Yugoslavia	1		C	B.C. (P.E.Q.)
	Prunus persica var's IV 10	Yugoslavia	1		C	B.C. (P.E.Q.)
	Ta Tao No. 27	China (via Cal., USA)	1		C	B.C. (P.E.Q.)
	Ta Tao No. 25		1		C	B.C. (P.E.Q.)

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P.E.Q. Post Entry Quarantine Station, Saanichton

PEST (Fungus, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	CARRIED IN *	PROV. OF COLLECTION
Prune dwarf and/or Necrotic Ring Spot Virus cont'd						
	Prunus persica var's					
	Eagle Beak		1		C	B.C. (P.E.Q.)
	Ta Tao No. 6		1		C	B.C. (P.E.Q.)
	Yunnan		1		C	B.C. (P.E.Q.)
	Selection		1		C	B.C. (P.E.Q.)
	Sel. seedling		1		C	B.C. (P.E.Q.)
	Tos China No. 1		1		C	B.C. (P.E.Q.)
	Ragany Gow	USSR (via Cal., USA)	1		C	B.C. (P.E.Q.)
	Kakamos	South Africa	1		C	B.C. (P.E.Q.)
Puccinia graminis Pers. "Stem Rust of Wheat"						
	Triticum (ornamental)	Italy		2	C	Que.
Puccinia hordei otth. "Dwarf leaf rust"						
	Hordeum	Netherlands		1	A.P.B.	Alta.
Puccinia horiana P. Henn. "White Rust of Mums"						
	Chrysanthemum (cut flowers)	Japan		1	A.P.B.	B.C.
Puccinia pelargonii-zonalis Doidge "Pelargonium rust"						
	Pelargonium (cuttings)	Cal. (USA)	14		C	B.C.
Rubbery Wood Virus						
	Malus var GXC 6590.1.1	Netherlands	1		C	B.C. (P.E.Q.)
Spy decline virus						
	Malus var's Odin	Netherlands	1		C	B.C. (P.E.Q.)
	Fantazia	Poland	1		C	B.C. (P.E.Q.)
	J. Darling	Wash. (USA)	1		C	B.C. (P.E.Q.)
	Fuji Red Sport Type 1	Japan	1		C	B.C. (P.E.Q.)
	Fuji Red Sport Type 2	Japan	1		C	B.C. (P.E.Q.)
	Fuji Red Sport Nagano 1	Japan	1		C	B.C. (P.E.Q.)
Stem grooving virus (first interception)						
	Malus var's Odin	Netherlands	1		C	B.C. (P.E.Q.)
	J. Darling	Wash. (USA)	1		C	B.C. (P.E.Q.)
	Kinsei	Japan	1		C	B.C. (P.E.Q.)
	GXC 6590.1.1	Netherlands	1		C	B.C. (P.E.Q.)
Stem pitting virus						
	Malus var's Odin	Netherlands	1		C	B.C. (P.E.Q.)
	Fantazia	Poland	1		C	B.C. (P.E.Q.)
	J. Darling	Wash. (USA)	1		C	B.C. (P.E.Q.)
	Fuji Red Sport Nagano 1	Japan	1		C	B.C. (P.E.Q.)
	GXC 6590.1.1	Netherlands	1		C	B.C. (P.E.Q.)

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Virus group complex (Fanleaf, yellow mosaic Vein banding)						
	Vitis var's Siewiernyi	Unknown	1		C	B.C. (P.E.Q.)
	Rauschling	Unknown	1		C	B.C. (P.E.Q.)
	Seyval	England	1		C	B.C. (P.E.Q.)
	Italia	Italy	1		C	B.C. (P.E.Q.)
	Pinot Bianco	Italy	1		C	B.C. (P.E.Q.)
	Schiava Grossa	Italy	1		C	B.C. (P.E.Q.)
	Saumer	France	1		C	B.C. (P.E.Q.)
	Chasselas Royal	France	1		C	B.C. (P.E.Q.)
	Riesling	Germany	1		C	B.C. (P.E.Q.)
	Leon Millot	N.Y. (USA)	1		C	B.C. (P.E.Q.)
	3309	France	1		C	B.C. (P.E.Q.)
	Foch	France	1		C	B.C. (P.E.Q.)
	Pinot Chardonnay	France	1		C	B.C. (P E.Q.)
	Muska	South Africa	1		C	B.C. (P.E.Q.)
	Seibel 54, 55N	France	1		C	B.C. (P.E.Q.)
	Faberrebe	Germany	1		C	B.C. (P.E.Q.)
	Auxerrois	France	1		C	B.C. (P.E.Q.)
	Pinot Noir Barbou	France	1		C	B.C. (P.E.Q.)
	Chasselois Espignette..	France	1		C	B.C. (P.E.Q.)

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Anguina agrostis (Steinbuch 1799) Filip. 1936 "grass seed nematode" (Tylenchidae):						
	Agrostis spp. (bent grass seed) ...	Oregon (USA)	3		C	Que., B.C. (2x)
Aphelenchoides parietinus (Bastian 1865) (Aphelenchoididae):						
	Schefflera	Fla. (USA)	1		C	Que.
Aphelenchoides sp. "foliar nematodes" (Aphelenchoididae):						
	Allium (onion sets)	Netherlands	2		C	Que. (2x)
	Allium	India		1	M	Alta.
	Boussingaultia	Mich. (USA)	1		C	Que.
	Dahlia	Netherlands	1		C	B.C.
	Dieffenbachia	Fla. (USA)	1		C	Que.
	Galanthus	Denmark	1		M	Alta.
	Hydrangea	Pa., (USA)	2		C	Que. (2x)
		USA	2		C	Que. (2x)
	Lonicera	Tenn. (USA)	1		C	Que.
	Peat (rooting media)	Denmark		1	C	Alta.
	Picea	Netherlands	1		C	Que.
	Plants (woody)	India	1		A.P.B.	Alta.
Criconemoides aberrans Jairajpuri & Siddiqi, 1963 "A ring nematode" (Criconematidae) (first interception):						
	Cotoneaster (Bonsai plants)	China	1		A.P.B.	B.C.
Criconemoides ornatum Raski, 1958 (Criconematidae):						
	Gardenia	S.C. (USA)	1		C	Ont.
Criconemoides sp. new sp. (Criconematidae):						
	Rosa sp.	Netherlands	1		C	N.B.
	Spiraea	Netherlands	1		C	B.C.
Ditylenchus destructor Thorne, 1945 "Potato-rot nematode" (Tylenchidae):						
	Iris (bulbous)	Wash. (USA)	2		C	B.C. (2x)
Ditylenchus dipsaci (Kuhn 1857) Filip. 1936 "bulb and stem nematode" (Tylenchidae)						
	Iris (bulbous)	Wash. (USA)	1		C	B.C.

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Ditylenchus sp. (Tylenchidae):						
	Astilbe	Netherlands	1		C	Que.
	Narcissus	Netherlands	1		C	Que.
Helicotylenchus dihystera (Cobb. 1893) Sher 1961 "a spiral nematode" (Tylenchidae):						
	Ulmus (Bonsai plants)	China	1		A.P.B.	B.C.
Helicotylenchus pseudorobustus (Steiner 1914) Golden 1956 "a spiral nematode (Tylenchidae):						
	Rosa	Netherlands	1		C	N.B.
Helicotylenchus ? lobus Sher, 1966 "a spiral nematode" (Tylenchidae):						
	Spiraea	Netherlands	1		C	B.C.
	Chaenomeles	Netherlands	1		C	B.C.
Helicotylenchus sp. new sp. (Tylenchidae):						
	Plants (woody)	India	1		A.P.B.	Alta.
Heterodera avenae Woll. 1924 (Filip. 1934) "The oat-cyst nematode" (Heteroderidae):						
	Agave	Germany	1		A.P.B.	Que.
	Automobile (with soil)	Europe		3	C	Que. (3x)
		Russia		1	C	Que.
	Cactus	Venezuela	1		A.P.B.	Que.
	Calluna	Netherlands	1		A.P.B.	Que.
	Cereus	Netherlands	1		A.P.B.	B.C.
	Coleus	Belgium	1		A.P.B.	Que.
	Dahlia	Argentina	1		A.P.B.	B.C.
	Plants (herbaceous)	England	1		A.P.B.	B.C.
	Soil	Belgium		1	A.P.B.	Que.
		France		1	A.P.B.	Que.
		Netherlands		1	A.P.B.	Alta.
	Thymus	France	1		A.P.B.	Que.
	Vinca	Germany	1		A.P.B.	Nfld.
Heterodera bifenestra Cooper 1955 (Heteroderidae):						
	Automobile (with soil)	Russia		1	C	Que.
	Pelargonium	Italy	1		A.P.B.	Que.
	Saint paulia	Netherlands	1		A.P.B.	Alta.

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Heterodera cacti Filip & Stek. 1941 "cactus-cyst nematode" (Heteroderidae):						
	Allium	Spain	1		A.P.B.	Que.
	Cactus	Netherlands	1		A.P.B.	Que.
		Italy	1		A.P.B.	Que.
	Cereus	Netherlands	1		A.P.B.	B.C.
	Convallaria	France	1		A.P.B.	Que.
	Juniperus	Cal. (USA)	1		C	B.C.
	Plants (herbaceous)	Bahamas	1		A.P.B.	Man.
		Greece		1	A.P.B.	Que.
		Yugoslavia	2		A.P.B.	Alta., Man.
	Euphorbia	France	1		A.P.B.	Que.
	Rosa	France	1		C	Ont.
	Syringa	Italy	1		A.P.B.	Que.
	Thymus	France	1		A.P.B.	Que.
Heterodera cruciferae Franklin 1945 "Cabbage-cyst nematode" (Heteroderidae):						
	Mentha	England	1		A.P.B.	Que.
Heterodera estonica Kirjanova & Krall, 1963 (Heteroderidae):						
	Beta	Netherlands		1	C	Que.
Heterodera fici Kirjanova 1954 "The fig-cyst nematode" (Heteroderidae):						
	Automobile (with soil)	Europe		1	C	Que.
	Agricultural machinery (tractors with soil)	England		1	C	N.B.
	Construction machinery (with soil)	Japan		2	C	B.C. (2x)
Heterodera goettingiana Liebscher 1892 "pea-root nematode" (Heteroderidae):						
	Soil	Netherlands		1	A.P.B.	Que.
Heterodera ? goettingiana Liebscher 1892 "pea-root nematode" (Heteroderidae)						
	Agricultural machinery (tractor with soil)	Japan		1	C	B.C.
Heterodera humuli Filip. 1934 "hop-cyst nematode" (Heteroderidae):						
	Anthurium	France	1		A.P.B.	Que.
	Crassula	Italy	1		A.P.B.	Que.
	Crocus	Netherlands	1		A.P.B.	Que.
	Ficus	Italy	1		A.P.B.	Que.
	Fuschia	France	1		A.P.B.	Que.

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Heterodera humuli Filip. 1934 "hop-cyst nematode" (Heteroderidae): Cont'd						
	Hibiscus	Austria	1		A.P.B.	Que.
	Hydrangea	Italy	1		A.P.B.	Que.
	Mentha	Italy	1		A.P.B.	Que.
	Nephthytis	France	1		A.P.B.	Que.
	Nerium	Italy	1		A.P.B.	Que.
	Pelargonium	Netherlands	1		A.P.B.	Que.
	Plants (herbaceous)	Yugoslavia	1		A.P.B.	Man.
	Rosa	Italy	1		A.P.B.	Que.
	Soil	Denmark		1	A.P.B.	Alta.
	Soil	England		1	A.P.B.	Man.
	Syringa	Netherlands	1		A.P.B.	Que.
Heterodera ? humuli Filip 1934 "hop-cyst nematode" (Heteroderidae):						
	Agricultural machinery (Tractor with soil)	Japan		1	C	B.C.
Heterodera latipons Franklin 1969 "a cereal-cyst nematode" (Heteroderidae):						
	Rosmarinus	Italy	1		A.P.B.	Que.
Heterodera punctata Thorne 1928 "grass-cyst nematode" (Heteroderidae):						
	Agricultural machinery (Tractor with soil)	England		1	C	B.C.
	Automobile (with soil)	Europe		2	C	Que. (2x)
	Automobile (with soil)	Europe		1	C	Ont.
	Beta	Netherlands		1	C	Que.
	Cactus	England	1		A.P.B.	B.C.
	Chamaecyparis	Netherlands	1		A.P.B.	Alta.
	Chlorophytum	Germany	1		A.P.B.	Alta.
	Gladiolus	England	1		A.P.B.	B.C.
	Hedera	England	1		A.P.B.	Alta.
	Hedera	Ireland	1		A.P.B.	Que.
	Plants (herbaceous)	England	1		A.P.B.	B.C.
	Plants (herbaceous)	Germany	1		A.P.B.	Man.
	Rosa	Ukraine	1		A.P.B.	Alta.
	Saint paulia	Netherlands	1		A.P.B.	Alta.
	Soil	Unknown		1	A.P.B.	Man.
Heterodera rostochiensis Woll. 1923 "potato-cyst nematode" (Heteroderidae):						
	Agave	Germany	1		A.P.B.	Que.
	Cactus	Venezuela	1		A.P.B.	Que.
	Calluna	England	1		A.P.B.	N.S.
	Calluna	Scotland	2		A.P.B.	N.S., Nfld.
	Chamaecyparis	Netherlands	1		A.P.B.	Alta.
	Chrysanthemum	England	1		A.P.B.	B.C.

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Heterodera rostochiensis Woll. 1923 "potato-cyst nematode" (Heteroderidae): Cont'd						
	Cyclamen	England	1		A.P.B.	B.C.
	Fuchsia	England	1		A.P.B.	B.C.
	Iris	Netherlands	1		A.P.B.	Alta.
	Oxalis	Ireland	1		M	Man.
	Plants (herbaceous)	France	1		A.P.B.	Que.
		England	1		A.P.B.	B.C.
	Plants (woody)	Germany	1		A.P.B.	B.C.
	Soil	England		1	A.P.B.	Nfld.
		Netherlands		1	A.P.B.	Alta.
	Viola	Germany	1		A.P.B.	B.C.
Heterodera schachtii Schmidt 1871 "sugar beet-cyst nematode" (Heteroderidae):						
	Agave	Germany	1		A.P.B.	Que.
	Automobile (with soil)	Europe		1	C	Que.
	Beta	Netherlands		4	C	Que. (4x)
	Construction Machinery (with soil)	Japan		1	C	B.C.
	Dracaena	Yugoslavia	1		A.P.B.	Que.
	Gladiolus	England	1		A.P.B.	B.C.
	Mentha	France	1		A.P.B.	Que.
	Olea	Greece	1		A.P.B.	Que.
	Rosa	Ukraine	1		A.P.B.	Alta.
	Saint Paulia	Netherlands	1		A.P.B.	Alta.
	Soil	Netherlands		1	A.P.B.	Alta.
		Poland		1	A.P.B.	Que.
	Thymus	France		1	A.P.B.	Que.
	Viola	England	1		A.P.B.	Que.
Heterodera trifolii Goffart, 1932 "clover cyst nematode" (Heteroderidae):						
	Agricultural machinery (tractor with soil)	England		2	C	Que., B.C.
		Japan		1	C	B.C.
	Armed Forces machinery (with soil)	Belgium		2	C	B.C. (2x)
	Automobile (with soil)	Europe		3	C	Que. (3x)
		New Zealand		1	C	Ont.
	Castanea	Poland	1		A.P.B.	Que.
	Construction machinery (with soil)	Japan		2	C	B.C. (2x)
	Dicentra	Poland	1		A.P.B.	Que.
	Draba	Switzerland	1		A.P.B.	Que.
	Fuschia	France	1		A.P.B.	Que.
		England	1		A.P.B.	B.C.

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Heterodera trifolii Goffart, 1932 "clover cyst nematode" (Heteroderidae):						
Gladioli		Netherlands	1		C	Que.
Hedera		Ireland	1		A.P.B.	Que.
Lilium		Czechoslovakia	1		A.P.B.	Alta.
Maranta		Scotland	1		A.P.B.	Que.
Mentha		Portugal	1		A.P.B.	Que.
Mimosa		France	1		A.P.B.	Que.
Olea		Greece		1	A.P.B.	Que.
Pelargonium		Italy	1		A.P.B.	Que.
Plants (woody)		Unknown	1		M	Man.
Rhododendron		England	1		A.P.B.	B.C.
Rubus		Switzerland	1		A.P.B.	Que.
Soil		Europe		1	A.P.B.	Que.
		Netherlands		1	A.P.B.	Alta.
		Poland		1	A.P.B.	Que.
		Romania		1	A.P.B.	Alta.
Heterodera ? *trifolii* Goffart, 1932 "clover cyst nematode" (Heteroderidae):						
Armed Forces machinery (with soil)		Belgium		1	C	B.C.
Construction machinery (with soil)		Japan		2	C	B.C. (2x)
Heterodera sp. (Heteroderidae):						
Construction machinery (with soil)		Japan		2	C	B.C. (2x)
Croton		France	1		A.P.B.	Que.
Plants (herbaceous)		France, England	2		A.P.B.	Que., B.C.
Prunus		Italy	1		A.P.B.	Que.
Soil		Netherlands		1	A.P.B.	Alta.
		Romania		1	A.P.B.	Que.
Heterodera weissi Steiner 1949 "Knotweed-cyst nematode" (Heteroderidae):						
Plants (woody)		Cal. (USA)	1		C	B.C.
Soil		Wash. (USA)	1		M	B.C.
Longidorus elongatus (de Man 1876) Thorne & Swanger 1936 "needle nematodes" (Longidoridae):						
Plants (herbaceous)		England	1		A.P.B.	B.C.
Meloidogyne hapla Chitwood, 1949 a "northern root-knot nematode" (Heteroderidae):						
Cyclamen		Italy	1		A.P.B.	B.C.
Ligustrum		Tenn. (USA)	1		C	B.C.
Rosa		France	7		M C(6x)	Alta., Que. (6x
		Netherlands	5		C	Que. (4x), Ont.
		Texas (USA)	2		C	Ont. (2x)

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Meloidogyne incognita (Kofoid and White, 1919) Chitwood 1949 "southern root-knot nematode" (Heteroderidae):						
	Cyclamen	Unknown	1		A.P.B.	Alta.
	Ligustrum	Tenn. (USA)	1		C	B.C.
	Lycopersicon	Ga. (USA)	1		C	Ont.
	Lycopersicon	Tenn. (USA)	1		C	Ont.
	Philadelphus	Tenn. (USA)	1		C	B.C.
	Schefflera	Fla. (USA)	1		C	Alta.
Meloidogyne sp. "root-knot nematode" (Heteroderidae):						
	Cotoneaster (Bonsai plant)	China	1		A.P.B.	B.C.
	Rosa	France	1		C	Ont.
	Spiraea	N.Y. (USA)	1		C	Ont.
Pratylenchus convallariae Seinhorst 1959 "a root-lesion nematode" (Tylenchidae):						
	Convallaria	Germany	1		C	Que.
Pratylenchus crenatus Loof, 1960 "root-lesion nematode" (Tylenchidae):						
	Chaenomeles	Netherlands	1		C	B.C.
	Deutzia	"	1		C	B.C.
	Spiraea	"	1		C	B.C.
Pratylenchus penetrans (Cobb. 1917) Filip. & Stek. 1941 "Cobb's root-lesion nematode" (Tylenchidae):						
	Convallaria	Germany	1		C	Que.
Pratylenchus sp. "root-lesion nematodes (Tylenchidae):						
	Galanthus	Denmark	1		M	Alta.
Quinisulcius ? acutoides (Thorne & Malek, 1968) Siddiqi 1971 (Tylenchidae):						
	Soil	Wash. (USA)		1	M	B.C.
Rotylenchus fallorobustus Sher 1965 "a spiral nematode" (Tylenchidae):						
	Chaenomeles	Netherlands	1		C	B.C.
Rotylenchus sp. "a spiral nematode" (Tylenchidae):						
	Lonicera	Tenn. (USA)	1		C	Que.

* APB Air Passengers' Baggage
M Mail
C Cargo
NE Non-entry (in ship, aircraft, etc.)

PEST (nematode	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	CARRIED IN *	PROV. OF COLLECTION
Telotylenchus sp. Siddiqi 1960 (Belonolaimidae) (first generic interception):						
	Rosa	Cal. (USA)	1		C	Que.
Trichodorus porosus Allen 1957 "stubby-root nematode" (Diphtherophoridae) (first interception):						
	Gardenia	S.C. (USA)	1		C	Ont.
Tylenchorhynchus dubius (Butschli, 1873) Filipjev, 1936 (Tylenchidae):						
	Solanum	Germany	1		A.P.B.	Alta.
Xiphinema americanum Cobb, 1913 "American dagger nematode" (Longidoridae):						
	Gardenia	S.C. (USA)	1		C	Ont.
	Plants (woody)	Md. (USA)	1		C	B.C.

* APB Air Passengers' Baggage
M Mail
C Cargo
NE Non-entry (in ship, aircraft, etc.)

Hosts (or carriers) of Intercepted Pests

ACER:
- Periphyllus sp. (Insect)

AGAVE:
- Heterodera avenae (Nematode)
- Heterodera rostochiensis "
- Heterodera schachtii "

AGRICULTURAL MACHINERY (Tractors):
- Heterodera fici (Nematode)
- Heterodera ? goettingiana "
- Heterodera ? humuli "
- Heterodera punctata "
- Heterodera trifolii (3x) "

AGROPYRON ELONGATUM (tall wheat grass)
- Rhyzopertha dominica (Insect)

AGROSTIS:
- Anguina agrostis (Nematode)

AIRCRAFT:
- Gryllus fultoni (Insect)

ALLIUM:
- Aphelenchoides sp. (Nematode)
- Heterodera cacti "

AMARANTHUS: "Calaloo" (West Indian spinach)
- Hymenia recurvalis (Insect)

ANANAS COMOSUS:
- Ectomyelois ceratoniae (2x) (Insect)
- Metamasius ? hemipterus sericeus "
- Pheidole dentata "

ANTHURIUM:
- Heterodera humuli (Nematode)

ARALIA CHINENSIS:
- Bradybaena similaris (Mollusk)

ARECA: sp. (palms)
- Aonidiella auranti (Insect)

ARMED FORCES MACHINERY:
- Heterodera trifolii (2x) (Nematode)
- Heterodera ? trifolii "

ASTILBE:
- Ditylenchus sp. (Nematode)

AUTOMOBILE:
- Heterodera avenae (4x) (Nematode)
- Heterodera bifenestra "
- Heterodera fici "
- Heterodera punctata (3x) "
- Heterodera schachtii "
- Heterodera trifolii (4x) "

AZALEA: sp
- Deroceras reticulatum (Mollusk)
- Gracilaria Azaleella (Insect)

BAGGAGE:
- Monomorium pharaonis (Insect)
- Potosia cuprea "

BAMBUSA:
- Chilo suppressalis (Insect)

BERTHOLLETIA EXCELSA:
- Hypothenemus kunnemanni (Insect)

BETA:
- Heterodera schachtii (4x) (Nematode)
- Heterodera punctata "
- Heterodera estonica "

BOUSSINGAULTIA:
- Aphelenchoides sp. (Nematode)

BRASSICA:
- Theba pisana (Mollusk)

CACTUS:
- Deroceras sp. (Mollusk)
- Heterodera avenae (Nematode)
- Heterodera cacti (2x) "
- Heterodera punctata "
- Heterodera rostochiensis "

CAJANUS CAJAN:
- Ancylostomia stercorea (2x) (Insect)
- Callosobruchus maculatus "
- Maruca testulalis "
- Noctuidae "

CALLUNA:
- Helix aspersa (Mollusk)
- Heterodera avenae (Nematode)
- Heterodera rostochiensis (2x) "

CARGO:
- Trogoderma ? granarium (Insect)

Hosts (or carriers) of Intercepted Pests

CASTANEA:	
Heterodera trifolii	(Nematode)
Laspeyresia splendana (3x)	(Insect)
CEIBO: (pentandra seed)	
Neodryocoetes ? hubbardi	(Insect)
CEREUS:	
Heterodera avenae	(Nematode)
CHAENOMELES:	
Helicotylenchus ? lobus	(Nematode)
Pratylenchus crenatus	"
Rotylenchus fallorobustus	"
CHAMAECYPARIS	
Heterodera punctata	(Nematode)
Heterodera rostochiensis	"
CHRYSANTHEMUM:	
Deroceras sp.	(Mollusk)
Heterodera rostochiensis	(Nematode)
Puccinia horiana (2x)	rust
CHLOROPHYTUM:	
Heterodera punctata	(Nematode)
CITRUS:	
Aphomia gularis	(Insect)
Dacus dorsalis	"
Parlatoria pergandii	"
COCOS NUCIFERA:	
Camponotus abdominalis floridanus	(Insect)
COLEUS:	
Heterodera avenae	(Nematode)
COLOCASIA: (TARO)	
Hymenia recurvalis	(Insect)
Noctuidae	"
CONSTRUCTION MACHINERY:	
Heterodera fici (2x)	(Nematode)
Heterodera schachtii	"
Heterodera sp.	"
Heterodera trifolii (2x)	"
Heterodera ? trifolii (2x)	"
CONVALLARIA:	
Heterodera cacti	(Nematode)
Pratylenchus convallariae	"
Pratylenchus penetrans	"
CORDYLINE:	
Paratrechina longicornis	(Insect)
CORIANDER:	
Corcyra cephalonica	(Insect)
COTONEASTER (bonsai plant):	
Criconemoides aberrans	(Nematode)
Meloidogyne sp.	"
CRASSULA:	
Archips sp.	(Insect)
Heterodera humuli	(Nematode)
CROCUS:	
Heterodera humuli	(Nematode)
CROTON:	
Heterodera sp.	(Nematode)
CYCLAMEN:	
Meloidogyne incognita	(Nematode)
Meloidogyne hapla	"
Meloidogyne rostochiensis	"
DAHLIA:	
Aphelenchoides sp.	(Nematode)
Hepialus sp.	(Insect)
Heterodera avenae	(Nematode)
DEUTZIA:	
Pratylenchus crenatus	(Nematode)
DIANTHUS:	
Ancognatha scarabaeoides	(Insect)
DICENTRA:	
Heterodera trifolii	(Nematode)
DIEFFENBACHIA:	
Aphelenchoides sp.	(Nematode)
DRABA:	
Heterodera trifolii	(Nematode)
DRACAENA:	
Archips sp.	(Insect)
Deroceras sp.	(Mollusk)
Heterodera schachtii	(Nematode)
Lasius neoniger	(Insect)
Pinnaspis aspidistrae	"
ERYTHRINA: (coral bean seed)	
Specularius impressithorax	(Insect)

Hosts (or carriers) of Intercepted Pests

EUPHORBIA:	
Heterodera cacti	(Nematode)
FICUS: (plant)	
Bradybaena similaris	(Mollusk)
Heterodera humuli	(Nematode)
FRAGARIA:	
Noctuidae	(Insect)
FUSCHIA:	
Heterodera humuli	(Nematode)
Heterodera rostochiensis	"
Heterodera trifolii (2x)	"
GALANTHUS:	
Aphelenchoides sp.	(Nematode)
Pratylenchus sp.	"
GARDENIA:	
Criconemoides ornatum	(Nematode)
Trichodorus porosus	"
Xiphinema americanum	"
GLADIOLUS:	
Heterodera punctata	(Nematode)
Heterodera schachtii	"
Heterodera trifolii	"
GRAIN: (residue in ship)	
Acedes fuscipunctella (2x)	(Insect)
Acedes pallescentella (27x)	"
Endrosis sarcitrella (2x)	"
Gnathocerus cornutus	"
Haplotinea ditella	"
Rhyzopertha dominica (34x)	"
Sitotroga cerealella (12x)	"
Thes bergrothi	"
Trogoderma ? granarium	"
HEDERA:	
Heterodera punctata (2x)	(Nematode)
Heterodera trifolii	"
HIBISCUS ESCULENTUS:	
Heliothis ? virescens (2x)	(Insect)
Heterodera humuli	(Nematode)
HORDEUM:	
Puccinia hordei (2x)	rust
Rhyzopertha dominica	(Insect)
HYDRANGEA:	
Aphelenchoides sp.	(Nematode)
Heterodera humuli	"
IRIS:	
Ditylenchus destructor (2x)	(Nematode)
Ditylenchus dipsaci	"
Heterodera rostochiensis	"
JUNIPERUS:	
Euproctis ? chrysorrhoea	(Insect)
Heterodera cacti	(Nematode)
Thyridopteryx ephemeraeformis (2x)	(Insect)
LAURACEAE: (chyrsanthemum tea)	
Sterrha inquinata	(Insect)
LAURUS: (Bay leaf)	
Lecanium sp.	(Insect)
LEGUMINOSAE: (Green beans)	
Lampides boeticus	(Insect)
LIGUSTRUM:	
Meloidogyne hapla	(Nematode)
Meloidogyne incognita	"
LILIUM:	
Heterodera trifolii	(Nematode)
LONICERA:	
Rotylenchus sp.	(Nematode)
Aphelenchoides sp.	"
LYCOPERSICON:	
Meloidogyne incognita (2x)	(Nematode)
MAHONIA AQUIFOLIUM:	
Cumminsiella mirabilissima	rust
MALUS:	
Blastodacna atra	(Insect)
Chlorotic leaf Spot Virus (2x)	Virus
Rubbery wood Virus	"
Spy decline Virus (6x)	"
Stem grooving Virus (4x)	"
Stem pitting Virus (5x)	"
MANGIFERA INDICA: (fruit)	
Cryptorhynchus mangiferae	(Insect)
Dacus dorsalis	"
MANIHOT UTILISSIMA: (cassava root)	
Monomorium pharaonis	(Insect)
MARANTA:	
Heterodera trifolii	(Nematode)

Hosts (or carriers) of Intercepted Pests

MENTHA:	
Heterodera cruciferae	(Nematode)
Heterodera humuli	"
Heterodera schachtii	"
Heterodera trifolii	"
Sterrha inquinata	(Insect)
MIMOSA:	
Heterodera trifolii	(Nematode)
NARCISSUS:	
Ditylenchus sp.	(Nematode)
NEPHTHYTIS:	
Heterodera humuli	(Nematode)
NERIUM:	
Heterodera humuli	(Nematode)
OLEA EUROPAEA:	
Dacus oleae	(Insect)
Heterodera schachtii	(Nematode)
Heterodera trifolii	(Nematode)
ORCHIDACEAE:	
Deroceras sp. (2x)	(Mollusk)
Wasmannia auropunctata	(Insect)
OXALIS:	
Heterodera rostochiensis	(Nematode)
PALMACEAE:	
Bradybaena similaris	(Mollusk)
PEAT (rooting media):	
Aphelenchoides sp.	(Nematode)
PELARGONIUM:	
Heterodera bifenestra	(Nematode)
Heterodera humuli	"
Heterodera trifolii	"
Platyptilia pica (3x)	(Insect)
Platyptilia ? pica	"
Puccinia pelargonii-zonalis (14x)	rust
PEPEROMIA:	
Autographa californica	(Insect)
PERSEA:	
Aspidiotus hederae	(Insect)
PHASEOLUS:	
Callosobruchus maculatus	(Insect)
Maruca testulalis	"
Noctuidae	"
Paratrechina longicornis	"
PHILADELPHUS:	
Meloidogyne incognita	(Nematode)
PINUS:	
Cosmobaris americanus	(Insect)
Myelophilus piniperda	"
Rhyacionia buoliana	"
Sipalinus hypocrita	"
PISTACIA:	
Trogoderma granarium	(Insect)
PLANTS (Herbaceous):	
Autographa sp.	(Insect)
Heterodera avenae	(Nematode)
Heterodera cacti (4x)	"
Heterodera humuli	"
Heterodera punctata (2x)	"
Heterodera rostochiensis (2x)	"
Heterodera sp. (2x)	"
Longidorus elongatus	"
PLANTS: (dried)	
Sterrha inquinata	(Insect)
PLANT PRODUCTS:	
Lophocateres pusillus	(Insect)
PLANTS: (Woody)	
Aphelenchoides sp.	(Nematode)
Deroceras laeve	(Mollusk)
Helicotylenchus sp.	(Nematode)
Heterodera rostochiensis	"
Heterodera trifolii	"
Heterodera weissi	"
Xiphinema americanum	"
PICEA:	
Aphelenchoides sp.	(Nematode)
PRUNUS:	
Grapholitha molesta (3x)	(Insect)
Heterodera sp.	(Nematode)
Mottle leaf Virus	Virus
Prune dwarf and/or Necrotic Ring Spot Virus (12x)	"
Rhagoletis cerasi	(Insect)
QUERCUS:	
Cynips ? centricola	(Insect)
Noctuidae	"
ROSA:	
Criconemoides sp. new sp.	(Nematode)
Helicotylenchus pseudorobustus	"
Heterodera cacti	"

Hosts (or carriers) of Intercepted Pests

ROSA: (Cont'd)
- Heterodera humuli (Nematode)
- Heterodera punctata "
- Heterodera schachtii "
- Meloidogyne hapla (14x) "
- Meloidogyne sp. "
- Telotylenchus sp. "

ROSMARINUS:
- Heterodera latipons (Nematode)

RUBUS:
- Heterodera trifolii (Nematode)

SAINT PAULIA:
- Heterodera bifenestra (Nematode)
- Heterodera punctata "
- Heterodera schachtii "

SCHEFFLERA SP:
- Aphelenchoides parietinus (Nematode)
- Bradybaena similaris (Mollusk)
- Chrysomphalus ficus (Insect)
- Meloidogyne incognita (Nematode)

SEA SHELLS:
- Periplaneta brunnea (Insect)

SOIL:
- Heterodera avenae (3x) (Nematode)
- Heterodera goettingiana "
- Heterodera humuli (2x) "
- Heterodera punctata "
- Heterodera rostochiensis (2x) "
- Heterodera schachtii (2x) "
- Heterodera trifolii (4x) "
- Heterodera sp. (2x) "
- Heterodera weissi "
- Quinisulcius ? acutoides "

SOLANUM:
- Tylenchorhynchus dubius (Nematode)

SPIRAEA:
- Criconemoides sp. new sp. (Nematode)
- Helicotylenchus ? lobus "
- Meloidogyne sp. "
- Pratylenchus crenatus "

STORED PRODUCTS:
- Rhyzopertha dominica (4x) (Insect)

SYRINGA:
- Heterodera cacti (Nematode)
- Heterodera humuli "

THYMUS:
- Heterodera avenae (Nematode)
- Heterodera cacti "
- Heterodera schachtii "

TRITICUM:
- Puccinia graminis (2x) rust

ULMUS:
- Helicotylenchus dihystera (Nematode)

VICIA:
- Bruchus rufimanus (Insect)
- Callosobruchus chinensis "

VITIS:
- Fleck Virus (20x) Virus
- Leafroll Virus (6x) "
- Virus group complex (fan-leaf, yellow mosaic, vein banding) (19x) "

VINCA:
- Heterodera avenae (Nematode)

VIOLA:
- Heterodera rostochiensis (Nematode)
- Heterodera schachtii "

WOOD:
- Atta texana (Insect)
- Dinoderus brevis "
- Heterobostrychus aequalis (2x) "
- Kalotermitidae "
- Lyctus africanus "
- Lyctus brunneus "
- Minthea rugicollis "
- Sinoxylon anale (6x) "
- Sinoxylon conigerum "
- Trogoxylon prostomoides "
- Xyloperthella ? crinitarsis "

ZEA MAYS:
- Noctuidae (Insect)
- Ostrinia nubilalis "

ZINGIBER:
- Paratrechina longicornis (Insect)

Countries of Origin of Pests Intercepted

AFRICA:
- Acedes fuscipunctella (Insect)
- Xyloperthella ? crinitarsis "

ARGENTINA:
- Heterodera avenae (Nematode)
- Neodryocoetes ? hubbardi (Insect)
- Rhyzopertha dominica "

ARUBA:
- Camponotus abdominalis floridanus (Insect)
- Lyctus brunneus "

AUSTRALIA:
- Lyctus brunneus (Insect)

AUSTRIA:
- Blastodacna atra (Insect)
- Heterodera humuli (Nematode)

BAHAMAS:
- Heterodera cacti (Nematode)

BELGIUM:
- Heterodera avenae (2x) (Nematode)
- Heterodera trifolii (2x) "
- Heterodera ? trifolii "
- Myelophilus piniperda (Insect)

BERMUDA:
- Kalotermitidae "

BRAZIL:
- Hypothenemus kunnemanni (Insect)

BURMA:
- Monomorium pharaonis (Insect)

CHINA:
- Aphomia gularis (Insect)
- Criconomoides aberrans (Nematode)
- Helicotylenchus dihystera "
- Meloidogyne sp. "
- Perlatoria pergandii (Insect)

CHINA: (Via Cal. (USA))
- Prune dwarf and /or necrotic ring spot virus on Prunus (8x) Virus

COLOMBIA:
- Ancognatha scarabaeoides (Insect)

CZECHOSLAVAKIA:
- Heterodera trifolii (Nematode)

DENMARK:
- Aphelenchoides sp. (Nematode)
- Heterodera humuli "
- Pratylenchus sp. "

DOMINICA:
- Deroceras sp. (Mollusk)
- Wasmonnia auropunctata (Insect)

EGYPT:
- Sinoxylon anale (Insect)

ENGLAND:
- Deroceras reticulatum (Mollusk)
- Deroceras sp. "
- Gracilaria azaleella (Insect)
- Helix aspersa (Mollusk)
- Heterodera avenae (Nematode)
- Heterodera cruciferae "
- Heterodera fici "
- Heterodera humuli "
- Heterodera punctata (5x) "
- Heterodera rostochiensis (6x) "
- Heterodera schachtii (2x) "
- Heterodera sp. "
- Heterodera trifolii (4x) "
- Longidorus elongatus "
- Noctuidae (Insect)
- Virus group complex (fan-leaf, yellow mosaic, vein banding) on Vitis Virus

EUROPE:
- Dacus oleae (Insect)
- Heterodera avenae (Nematode)
- Heterodera fici "
- Heterodera punctata (3x) "
- Heterodera schachtii "
- Heterodera trifolii (4x) "

FIJI:
- Dacus dorsalis (2x) (Insect)
- Heliothis ? virescens (2x) "
- Maruca testulalis (2x) "
- Monomorium pharaonis "
- Noctuidae "
- Peratrechina longicornis "

FRANCE:
- Callosobruchus maculatus (Insect)

Countries of Origin of Pests Intercepted

FRANCE: Cont'd

Fleck virus on Vitis (8x)	Virus
Heterodera avenae (2x)	(Nematode)
Heterodera cacti (4x)	"
Heterodera humuli (3x)	"
Heterodera rostochiensis	"
Heterodera schachtii	"
Heterodera trifolii (2x)	"
Heterodera sp. (2x)	"
Laspeuresia splendana	(Insect)
Leafroll virus on Vitis (2x)	Virus
Meloidogyne hapla	(Nematode)
Meloidogyne sp.	"
Sterrha inquinata	(Insect)
Virus group complex on Vitis (9x)	Virus

GERMANY (WEST):

Fleck virus on Vitis (3x)	Virus
Heterodera avenae (2x)	(Nematode)
Heterodera punctata (2x)	"
Heterodera rostochiensis (3x)	"
Heterodera schachtii	"
Pratylenchus convallaria	"
Pratylenchus penetrans	"
Tylenchorhynchus dubius	"
Virus group complex on Vitis (2x)	Virus

GREECE:

Heterodera cacti	(Nematode)
Heterodera schachtii	"
Heterodera trifolii	"
Lecanium sp.	(Insect)

HONG KONG:

Aspidiotus hederae	(Insect)
Corcyra cephalonica	"
Laspeyresia splendana	"
Paratrechina longicornis	"
Potosia cuprea	"
Rhyzopertha dominica	"
Sinoxylon conigerum	"

HUNGARY:

Fleck virus on vitis	Virus

INDIA:

Aphelenchoides sp. (2x)	(Nematode)
Helicotylenchus sp. new sp.	"
Heterobostrychus aequalis	(Insect)
Lophocateres pusillus	"
Lyctus africanus	"
Periplaneta brunnea	"
Rhyzopertha dominica (4x)	"

IRAN:

Trogoderma granarium	(Insect)

IRELAND:

Heterodera punctata	(Nematode)
Heterodera rostochiensis	"
Heterodera trifolii	"

ISRAEL:

Sterrha inquinata	(Insect)
Trogoxylon prostomoides	"

ITALY:

Bruchus rufimanus	(Insect)
Fleck virus on Vitis (4x)	Virus
Heterodera bifenestra	(Nematode)
Heterodera cacti (2x)	"
Heterodera humuli (6x)	"
Heterodera trifolii	"
Heterodera sp.	"
Laspeyresia splendana	(Insect)
Meloidogyne hapla	(Nematode)
Puccinia graminis (2x)	Rust
Rhagoletis cerasi	(Insect)
Sterrha inquinata	"
Theba pisana	(Mollusk)
Virus group complex on Vitis (3x)	Virus

JAMAICA:

Ancylostomia stercorea	(Insect)
Hymenia recurvalis (2x)	"
Maruca testulalis	"
Noctuidae (2x)	"

JAPAN:

Chlorotic leaf spot virus on Malus	Virus
Heterodera fici	(Nematode)
Heterodera ? goettingiana	"
Heterodera ? humuli	"
Heterodera schachtii	"
Heterodera trifolii (3x)	"
Heterodera ? trifolii (2x)	"
Heterodera sp. (2x)	"
Puccinia horiana	Rust
Sipalinus hypocrita	(Insect)
Spy decline virus on Malus (3x)	Virus
Stem grooving virus on Malus	Virus
Stem pitting virus on Malus	Virus

KOREA:

Chilo suppressalis	(Insect)

Countries of Origin of Pests Intercepted

MEXICO:
- *Atta texana* (Insect)
- *Gryllus fultoni* "

NETHERLANDS:
- *Aphelenchoides* sp. (3x) (Nematode)
- *Criconemoides* sp. new sp. (2x) "
- *Cynips* ? *centricola* (Insect)
- *Ditylenchus* sp. (3x) (Nematode)
- *Helicotylenchus pseudorobustus* "
- *Helicotylenchus* ? *lobus* (2x) "
- *Hepialus* sp. (Insect)
- *Heterodera avenae* (3x) (Nematode)
- *Heterodera bifenestra* "
- *Heterodera cacti* (2x) "
- *Heterodera estonica* "
- *Heterodera goettingiana* "
- *Heterodera humuli* (3x) "
- *Heterodera punctata* (3x) "
- *Heterodera rostochiensis* (3x) "
- *Heterodera schachtii* (3x) "
- *Heterodera trifolii* "
- *Heterodera* sp. "
- *Meloidogyne hapla* (5x) "
- *Periphyllus* sp. (Insect)
- *Pratylenchus crenatus* (3x) (Nematode)
- *Puccinia hordei* Rust
- *Rhyacionia buoliana* (Insect)
- *Rotylenchus fallorobustus* (Nematode)
- Rubbery wood Virus on *Malus* Virus
- Spy decline Virus on *Malus* "
- Stem grooving Virus on *Malus* (2x) "
- Stem pitting Virus on *Malus* (2x) "

NEW ZEALAND:
- *Heterodera trifolii* (Nematode)

NORWAY:
- Noctuidae (Insect)

PAKISTAN:
- *Sinoxylon anale* (5x) (Insect)

PHILIPPINES:
- *Heterobostrychus aequalis* (Insect)
- *Minthea rugicollis* "

POLAND:
- Chlorotic leaf spot Virus on *Malus* Virus
- *Heterodera schachtii* (Nematode)
- *Heterodera trifolii* (2x) "
- Spy decline Virus on *Malus* Virus
- Stem pitting Virus on *Malus* "

PORTUGAL:
- *Heterodera trifolii* (Nematode)

RHODESIA:
- *Specularius impressithorax* (Insect)

ROMANIA:
- *Heterodera trifolii* (Nematode)
- *Heterodera* sp. "

RUSSIA:
- *Acedes fuscipunctella* (Insect)
- *Heterodera avenae* (Nematode)
- *Heterodera bifenestra* "
- *Trogoderma* ? *granarium* (Insect)

SCOTLAND:
- *Heterodera rostochiensis* (2x) (Nematode)
- *Heterodera trifolii* "

SINGAPORE:
- *Callosobruchus maculatus* (Insect)

SOUTH AFRICA:
- Prune dwarf and/or Necrotic Ring Spot Virus on *Prunus* Virus
- Virus group complex on *Vitis* "

SPAIN:
- *Euproctis* ? *chrysorrhoea* (Insect)
- *Heterodera cacti* (Nematode)

SWITZERLAND:
- Fleck Virus on *Vitis* Virus
- *Heterodera trifolii* (2x) (Nematode)

TAIWAN:
- *Dinoderus brevis* (Insect)

Countries of Origin of Pests Intercepted

TRINIDAD:
- Ancylostomia stercorea (Insect)
- Noctuidae "

UKRAINE:
- Heterodera punctata (Nematode)
- Heterodera schachtii "

UNITED STATES: BY STATE:

CALIFORNIA:
- Aonidiella aurantii (Insect)
- Archips sp. "
- Autographa californica "
- Autographa sp. "
- Bradybaena similaris (Mollusk)
- Deroceras sp. (2x) "
- Grapholitha molesta (Insect)
- Heterodera cacti (Nematode)
- Heterodera weissi "
- Platyptilia pica (3x) (Insect)
- Platyptilia ? pica "
- Puccinia pelargonii-zonalis (14x) Rust
- Telotylenchus sp. (Nematode)

FLORIDA:
- Aphelenchoides parietinus (Nematode)
- Aphelenchoides sp. "
- Archips sp. (Insect)
- Bradybaena similaris (3x) (Mollusk)
- Chrysomphalus ficus (Insect)
- Lasius neoniger "
- Meloidogyne incognita (Nematode)
- Pinnaspis aspidistrae (Insect)

GEORGIA:
- Meloidogyne incognita (Nematode)

HAWAII:
- Cryptorhynchus mangiferae (2x) (Insect)
- Deroceras sp. (Mollusk)
- Ectomyelois ceratoniae (2x) (Insect)
- Lampides boeticus "
- Metamasius ? hemipterus sericeus "
- Paratrechina longicornis "
- Pheidole dentata "

IDAHO:
- Noctuidae

ILLINOIS:
- Deroceras laeve (Mollusk)
- Ostrinia nubilalis (Insect)

MARYLAND:
- Xiphinema americanum (Nematode)

MICHIGAN:
- Aphelenchoides sp. (Nematode)

NEW YORK:
- Fleck Virus on Vitis Virus
- Leafroll Virus on Vitis (3x) "
- Meloidogyne sp. (Nematode)
- Virus group complex on Vitis Virus

OKLAHOMA:
- Thyridopteryx ephemeraeformis (Insect)

OREGON:
- Cosmobaris americanus (Insect)

PENNSYLVANIA:
- Aphelenchoides sp. (2x) (Nematode)

SOUTH CAROLINA:
- Criconemoides ornatum (Nematode)
- Trichodorus porosus "
- Xiphinema americanum "

STATE - U.S.A. ?:
- Aphelenchoides sp. (Nematode)
- Grapholitha molesta (2x) (Insect)

TENNESSEE:
- Aphelenchoides sp. (Nematode)
- Meloidogyne hapla "
- Meloidogyne incognita (3x) "
- Rotylenchus sp. "
- Thyridopteryx ephemeraeformis (Insect)

TEXAS:
- Meloidogyne hapla (Nematode)

WASHINGTON:
- Cumminsiella mirabilissima Rust
- Fleck Virus on Vitis Virus
- Ditylenchus destructor (2x) (Nematode)
- Ditylenchus dipsaci "
- Heterodera weissi "
- Mottle leaf virus on Prunus Virus
- Quinisulcius ? acutoides (Nematode)
- Spy decline Virus on Malus Virus
- Stem grooving Virus on Malus "
- Stem pitting Virus on Malus "

UNKNOWN:
- Acedes pallescentella (27x) (Insect)
- Callosobruchus chinensis "
- Dacus dorsalis "

Countries of Origin of Pests Intercepted

UNKNOWN: Cont'd

Endrosis sarcitrella (2x)	(Insect)
Gnathocerus cornutus	"
Haplotinea ditella	"
Heterodera punctata	(Nematode)
Heterodera trifolii	"
Meloidogyne incognita	"
Prune dwarf and/or Necrotic Ring Spot Virus on Prunus (2x)	Virus
Rhyzopertha dominica (34x)	(Insect)
Sitotroga cerealella (12x)	"
Thes bergrothi	"
Trogoderma ? granarium	"

U.S.S.R.:

Leafroll Virus on Vitis	Virus

U.S.S.R.: (via Cal., U.S.A.):

Prune dwarf and/or Necrotic Ring Spot Virus on Prunus	Virus

VENEZUELA:

Heterodera avenae	(Nematode)
Heterodera rostochiensis	"

YUGOSLAVIA:

Fleck Virus on Vitis	Virus
Heterodera cacti (2x)	(Nematode)
Heterodera humuli	"
Heterodera schachtii	"
Prune dwarf and/or Necrotic Ring Spot Virus on Prunus (2x)	Virus